CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/KSR/STEEL/2014-15 26.07.2014

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
Agency	:	**Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
Name of the Work	:	Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
Reference	:	BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
Date of Test	:	26.07.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	513	556	13.10	O.K	O.K

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH L.K.
Asst Executive Officer

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Job No: CTCE/BBMP/KSR/STEEL/2014-15

26.07.2014

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
Agency	:	**Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
Name of the Work	:	Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
Reference	:	BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
Date of Test	:	26.07.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	16	1.58	520	563	13.35	O.K	O.K

Civil-Tech Consultants & Engineers Bangalore

Note:

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ,
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Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

08.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Approach slab Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 7^{th} day
Sample received on	: 07.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.10.2014	08.10.2014	8.156	523.3	23.26
2	01.10.2014	08.10.2014	8.235	536.4	23.84
3	01.10.2014	08.10.2014	8.383	549.2	24.41

* Information is furnished by the Customer/Representative

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Civil-Tech Consultants & Engineers Bangalore

Executive Engineer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

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Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

29.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE./SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Approach slab Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28^{th} day
Sample received on	: 28.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.10.2014	29.10.2014	8.463	739.5	32.87
2	01.10.2014	29.10.2014	8.372	720.3	32.01
3	01.10.2014	29.10.2014	8.224	702.4	31.22

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#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

07.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day
Sample received on	: 06.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.09.2014	07.10.2014	8.139	610.2	27.12
2	30.09.2014	07.10.2014	8.392	621.8	27.64
3	30.09.2014	07.10.2014	8.243	634.8	28.21

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Civil-Tech Consultants & Engineers Bangalore

Chief Executive Officer

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

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Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

28.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample received on	: 27.10.2014

Sl.No.	Dare of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.09.2014	28.10.2014	8.446	841.8	37.41
2	30.09.2014	28.10.2014	8.267	822.5	36.56
3	30.09.2014	28.10.2014	8.355	829.7	36.88

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Civil-Tech Consultants & Engineers Bangalore

Assistant Executive Engineer
Asst. Executive Engineer

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Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

28.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample received on	: 27.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.09.2014	28.10.2014	8.446	841.8	37.41
2	30.09.2014	28.10.2014	8.267	822.5	36.56
3	30.09.2014	28.10.2014	8.355	829.7	36.88

* Information is furnished by the Customer/Representative.

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Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

23.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample received on	: 22.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.09.2014	23.10.2014	8.488	839.4	37.31
2	25.09.2014	23.10.2014	8.367	822.7	36.56
3	25.09.2014	23.10.2014	8.210	813.8	36.17

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VISHWANATH, I.A.
Chief Executive Officer

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

27.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, *Flat No.34, Krishna Garden* Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{25}
Compressive Strength as on	: 7^{th} day
Sample received on	: 26.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.09.2014	27.09.2014	8.333	613.4	27.26
2	20.09.2014	27.09.2014	8.251	624.5	27.76
3	20.09.2014	27.09.2014	8.251	601.7	26.74

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ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,

M. SUBRAMANYA RAJU
Civil Engineer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

18.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample received on	: 17.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.09.2014	18.10.2014	8.372	822.9	36.57
2	20.09.2014	18.10.2014	8.444	834.7	37.10
3	20.09.2014	18.10.2014	8.217	806.8	35.86

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

19.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day
Sample received on	: 18.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.09.2014	19.09.2014	8.247	610.5	27.13
2	12.09.2014	19.09.2014	8.362	623.8	27.72
3	12.09.2014	19.09.2014	8.192	599.8	26.66

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ಮಿಶ್ರಣ ನಿಯಂತ್ರಣಾಲಯ ಉಪ ವಿಭಾಗ,

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Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

10.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample received on	: 09.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strengrh (N/mm^2)
1	12.09.2014	10.10.2014	8.284	810.2	36.01
2	12.09.2014	10.10.2014	8.383	822.4	36.55
3	12.09.2014	10.10.2014	8.441	841.3	37.39

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CCBE/2014-15

04.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day
Sample receiver on	: 03.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.08.2014	04.09.2014	8.214	609.8	27.10
2	28.08.2014	04.09.2014	8.399	623.5	27.71
3	28.08.2014	04.09.2014	8.496	635.4	28.24

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Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

25.09.2014

TEST REPORT ON CONCRETE CUBES

*** Customer**	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
*** Agency**	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
*** Name of the Work**	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
*** Reference**	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
*** Sample ID**	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
*** Grade of Concrete**	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample received on	: 24.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.08.2014	25.09.2014	8.193	805.4	35.80
2	28.08.2014	25.09.2014	8.264	813.2	36.14
3	28.08.2014	25.09.2014	8.388	839.7	37.32

* Information is furnished by the Customer/Representative.

Note:

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/KSR/CUBE/2014-15

25.08.2014

TEST REPORT ON CONCRETE CUBES

Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashetrihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day

Sl.No.	Date of casting	Date of resting	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.08.2014	25.08.2014	8.469	652.1	28.98
2	18.08.2014	25.08.2014	8.377	632.4	28.11
3	18.08.2014	25.08.2014	8.249	625.3	27.79

Civil-Tech Consultants & Engineers Bangalore

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Assistant Executive Engineer

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/KSR/CUBE/2014-15

15.09.2014

TEST REPORT ON CONCRETE CUBES

Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagasbettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{35}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.08.2014	15.09.2014	8.122	832.3	36.99
2	18.08.2014	15.09.2014	8.265	845.2	37.56
3	18.08.2014	15.09.2014	8.368	863.4	38.37

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/KSR/CUBE/2014-15

14.08.2014

TEST REPORT ON CONCRETE CUBES

Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.08.2014	14.08.2014	8.199	612.3	27.21
2	07.08.2014	14.08.2014	8.244	620.8	27.59
3	07.08.2014	14.08.2014	8.320	638.4	28.37

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Job No.: CTCE/BBMP/KSR/CUBE/2014-15

04.09.2014

TEST REPORT ON CONCRETE CUBES

Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
Sample ID	: Roof Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.08.2014	04.09.2014	8.166	810.6	36.03
2	07.08.2014	04.09.2014	8.237	820.4	36.46
3	07.08.2014	04.09.2014	8.394	845.6	37.58

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Authorised Signatory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

22.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Wall Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day
Sample receiver on	: 20.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.09.2014	22.09.2014	8.471	630.4	28.02
2	15.09.2014	22.09.2014	8.329	617.4	27.44
3	15.09.2014	22.09.2014	8.212	610.3	27.12

* Information is furnished by the Customer/Representative.

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Authorised Signatory, Chief Executive Officer

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

13.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Wall Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample receiver on	: 11.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.09.2014	13.10.2014	8.124	803.5	35.71
2	15.09.2014	13.10.2014	8.255	817.9	36.35
3	15.09.2014	13.10.2014	8.381	829.5	36.87

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Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

11.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Wall Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day
Sample receiver on	: 10.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.09.2014	11.09.2014	8.325	629.3	27.97
2	04.09.2014	11.09.2014	8.110	606.4	26.95
3	04.09.2014	11.09.2014	8.234	615.3	27.35

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Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

02.10.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Wall Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample receiver on	: 01.10.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.09.2014	02.10.2014	8.432	842.5	37.44
2	04.09.2014	02.10.2014	8.297	810.3	36.01
3	04.09.2014	02.10.2014	8.333	816.3	36.28

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Job No.: CTCE/BBMP/KSR/CSR-8/615d/CUBE/2014-15

02.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Wall Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{35}
Compressive Strength as on	: 7^{th} day
Sample received on	: 01.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2014	02.09.2014	8.125	603.2	26.81
2	26.08.2014	02.09.2014	8.306	632.1	28.09
3	26.08.2014	02.09.2014	8.297	618.2	27.48

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MUNIVENKATA L.A.
Chief Executive Officer

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Job No: CTCE/BBMP/KSR/CSR 8/615d/CUBE/2014-15

23.09.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** SWD, Yelahanka Zone, BBMP, Bangalore.
* Agency	: **Mr. Kondulu Subramanya Raju,** Deccan Engineers and Constructions, Flat No.34, Krishna Garden Apartments, 5th Main, RMV 2nd stage, Dollars Colony, Bangalore-94.
* Name of the Work	: Remodeling of SWD and its allied works in critical low lying area (Flood prone area) at Bhadrappa Layout, Nagashettihalli, Sanjayanagara in Yelahanka, BBMP, Bangalore.
* Reference	: BBMP/EE/SWD-YZ/WO/06/2012-13 Dated: 18.03.2013
* Sample ID	: Wall Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample receivet on	: 22.09.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2014	23.09.2014	8.228	819.2	36.41
2	26.08.2014	23.09.2014	8.499	832.4	37.00
3	26.08.2014	23.09.2014	8.352	808.6	35.94

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